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## SEQUENCE LISTING

&lt;110&gt; Bayer AG, BHC

<120> Diagnostics and Therapeutics for Diseases Associated with  
PHOSPHODIESTERASE 1B (PDE1B)

&lt;130&gt; Le A 36 620

&lt;160&gt; 5

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 2255

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

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&lt;210&gt; 2

&lt;211&gt; 536

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2

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Cys Pro Ser Pro Leu Glu Leu Lys Ser Ala Pro Ser Lys Lys Met Trp
20      25      30

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   50           55           60
Ser Leu Leu Glu Ala Val Tyr Ile Asp Glu Thr Arg Gln Ile Leu Asp
   65           70           75           80
Thr Glu Asp Glu Leu Gln Glu Leu Arg Ser Asp Ala Val Pro Ser Glu
   85           90           95
Val Arg Asp Trp Leu Ala Ser Thr Phe Thr Gln Gln Ala Arg Ala Lys
  100          105          110
Gly Arg Arg Ala Glu Glu Lys Pro Lys Phe Arg Ser Ile Val His Ala
  115          120          125
Val Gln Ala Gly Ile Phe Val Glu Arg Met Phe Arg Arg Thr Tyr Thr
  130          135          140
Ser Val Gly Pro Thr Tyr Ser Thr Ala Val Leu Asn Cys Leu Lys Asn
  145          150          155          160
Leu Asp Leu Trp Cys Phe Asp Val Phe Ser Leu Asn Gln Ala Ala Asp
  165          170          175
Asp His Ala Leu Arg Thr Ile Val Phe Glu Leu Leu Thr Arg His Asn
  180          185          190
Leu Ile Ser Arg Phe Lys Ile Pro Thr Val Phe Leu Met Ser Phe Leu
  195          200          205
Asp Ala Leu Glu Thr Gly Tyr Gly Lys Tyr Lys Asn Pro Tyr His Asn
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Gln Ile His Ala Ala Asp Val Thr Gln Thr Val His Cys Phe Leu Leu
  225          230          235          240
Arg Thr Gly Met Val His Cys Leu Ser Glu Ile Glu Leu Leu Ala Ile
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Ile Phe Ala Ala Ala Ile His Asp Tyr Glu His Thr Gly Thr Thr Asn
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Ser Phe His Ile Gln Thr Lys Ser Glu Cys Ala Ile Val Tyr Asn Asp
  275          280          285
Arg Ser Val Leu Glu Asn His His Ile Ser Ser Val Phe Arg Leu Met
  290          295          300
Gln Asp Asp Glu Met Asn Ile Phe Ile Asn Leu Thr Lys Asp Glu Phe
  305          310          315          320
Val Glu Leu Arg Ala Leu Val Ile Glu Met Val Leu Ala Thr Asp Met
  325          330          335
Ser Cys His Phe Gln Gln Val Lys Thr Met Lys Thr Ala Leu Gln Gln
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Ala Asp Ile Ser His Pro Thr Lys Gln Trp Leu Val His Ser Arg Trp
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Val Ala Gln Ser Gln Ile Gly Phe Ile Asp Phe Ile Val Glu Pro Thr
  420          425          430
Phe Ser Val Leu Thr Asp Val Ala Glu Lys Ser Val Gln Pro Leu Ala
  435          440          445
Asp Glu Asp Ser Lys Ser Lys Asn Gln Pro Ser Phe Gln Trp Arg Gln
  450          455          460
Pro Ser Leu Asp Val Glu Val Gly Asp Pro Asn Pro Asp Val Val Ser
  465          470          475          480
Phe Arg Ser Thr Trp Val Lys Arg Ile Gln Glu Asn Lys Gln Lys Trp
  485          490          495
Lys Glu Arg Ala Ala Ser Gly Ile Thr Asn Gln Met Ser Ile Asp Glu
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Leu Ser Pro Cys Glu Glu Glu Ala Pro Pro Ser Pro Ala Glu Asp Glu
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His Asn Gln Asn Gly Asn Leu Asp
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<212> DNA

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- 3 -

<213> artificial sequence

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<212> DNA

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<213> artificial sequence

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